an inaugural dipritation on proumoness by phoids or the counter epidemic as it appeared in Country throughout in 1818 4/81/1 with a shetch of the climate.

To be redwritted to the tenstee a faculty of meetine in the university of permusylvania. How the degree of Doctor of Medicine. By alut chell lot of Vorqueia

Paper March 19th. 1828

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Poper Mont 19th. 1828

March 10th 1828

Vor gonia is bounded on the south, by a line on the baral . leb of 36" 30" N. I The country of washing ton towness this line. The town of abing son "setuated near the centre of the county, about scalen miles north, of the southern boundary of the county, and about the some distance, from the northern boundary of Temper. It is thus placed in the southwest bor der of the state. On the north of south, the county is boun -ded by mountours of great elevation; on the north by the great Church mountain, on the south by the bron, of white top The elevation of the est, is so great, that no true or chrubs grow on or near it's summit. These great mountains run nearly possel to such other, there general course is, from north cost to couth west they are distout from each other about twenty miles. The county of worthington is a great valley placed be - lower them: This cally is watered by the these browns of the Holston. May are colled the south, weeddle, I west, broughes or forks, Toking Their sources from the west side, of what is called, a deviding, redge, seperating the head waters, of the Hodelein, from New river, or Kom - awa. The obecomes from the cost side, rem to the great Hanacca. The boar copies of the Motolein who their rise, to the cost of the county, from numerous & Brings, rehealed in the valley. The



tributory streams of each park, are devided from the others, by ou cleased ridge: They take a course Towards the could west, gradu - olly converging . The routh, & modelle pocks, write, in the country about now miles court of aboug son, The work took unites with the others, in the clase of Teneropie, & forms the Holstein rever, which goes on to must the Turneper revore The general wheet of the county is hilly. The soil is proceed on a bed of lime stone, I consite of rich would a clay . Springs of lovie stone water are very obsundent. The mearguis of the streams home a large por line of web bottom land: The soil generally is good, + well extentated for the production, of graps, clower & bread streft of ways kind. The face of the country, which has not been eleved, is neclety covered by large & beautiful point trees & a rech variety of plouts. mony of which are well known to the botonist. This county is in a very alevated viluolione, being near to the allegany mount Toin I looking to words the great volley of the Milsessippi dis -tout from the gultthe of meseiver, more thou one thousand miles, - 400 miles from the costern seabard. This devation connected with the general mountanous character of the country, has a very quat influence on the alcuste. In such a bituation we are to injust rudden & quot vierpiledes of tem merature. We have post, as canonally in the moutho, except those of the ownever-

snow is not unprequently som on the mountains, early in ac ther, I may no meleorologe all observations have been make in that county that I know of. It is therefore unpopuble for me to give on accurate stolement of the mean temperature of the atmosphere. The thornometer rouges, during the summer mouths at a solvek, between 75" 486" of Farenheity volle; & I have som it as high as 89 ". Here continues to be agreeable, & were ne capacing on till the middle of lane, in the morning & evening, I endeed throughout summer; when there is much rain. A great deal of which falls very year. Vegetation generally commences early in moreh, but is preguely checked, by post & own. about the mid - He of april, the fruit trees are in full bloom, I before the lost of may the fourt trees are covered, with folloage more thou half grown: lorly vie Luce they are fully developed, when the whole country, presents an cotranely luxuriant appearance, beautifully conegated, by the difference of productions on the mountains, & in the volley. The summer mouths are tempered with a delightful heere from the northern mountains, which are of great extent between that county & the ahia - The fall months are very present & about the 1st of morember; on the decline of the leaf, this county exhibits is perfection, all those beauties, which have been so much spoken

of , arising from the varies tints of color , produced & the differ cutt states, of decline we the followinge. The wenter usually commen us, about the middle of december: + is marked throughout by great occepiledes of temporature. accosionally the whole country is posen, & the weather extremely sold; But these spell of cold are severally of about duration, turninating, in a Than, with all its course guences of much she I have never had it in my power to much the quotest descent of the overcury, during our coldest wrother : There is but title suow during the winter but much roin clearing off with a been northwest wind. The wrinter is decidedly the most sickly scoon, pronducing cotorch, pleasery, Theunestone & other inflower oling affections. These discous continue were on up during the eving : Cholero infortun is prequently met with in the same mer of a well character. Dyscutery, is also, very common, account ourly exidence. This discose is seldow total + occorely our require the lowest; the enflowmention being unoctorate betweentlands are un - known . Remittents are common, in august & reptember, in ever tail otherway apprecently produced by local sources of misomoto. The discou is generally very cosity monoged of the common rem - this. Bulmowy consupption has become very common,

perhaps awing to the great exceptions of construction. Except for is struct unknown. Jacker is prejunct, and with mounteress struct. I seem the best charles, is very reseponent with I have not for seem on a provider of 15 years. Assesse of the law is not offer the mounted as a consequence of the use of archest spirit. Immunical ass. Specialized them to configure in 1800 is true of a congruent described as these seems that they seem in 1800 is true of a congruent described.

I ought go on to enumerate many were disease must with in that county but stand summerspay to say were on the subject.

I will be now give a stockt history of the littler Executive, as it appeared in my practice in the peace 1818 & 19.

This drives moved at fact a power on on in toochington county early in humany total pleasing, a spell of very cold marker. The first can marker of a young man what too move of any a thockmark of change coldent on this time. The county to init of fact up, also better body, with challing a change, of the color beady, with challings, as the color, with challings, as the color, with the hand and with the bead and with the bead and with the bead and with the bead and with the period of the color of piece to the hand and with the bead and the period of the color of piece to the sea of the color of the

wellow the Serving a soll of registed the loss. He fast we will

without any soute pain; his pulse fuce, strong, & prequent: shin, bor hot, heathing, difficult, with some cough torque looked & tugar getton, countercance disturbed & heavy a buthout his clotion, I took from his som more blood, shout 18 3. The become sich a west from the consisten with some relief to his head & side. The dad not soon suit donly from this state, as persones would do who have a lunder oy to Expense cope; but remained rich a fulle for a considerable time. He force of his pulse was greatly reduced & he continued to have much ap pain. that night he look 10 ges of colouned, its operation to be aided by on infusion of senna. a large bloter was applied to his orde his counte nonce continuing dull , I kessy - I sow him the next morning ; The medicine had sporated very well brought away, a great deal of dook matter. The blister had drawn well a the poin in his ride was course density relieved. The continued sick it the stomach, countinne dull, shin not so hot, pulse prequent, but not obering - I now gove him an courtie, with an expectation that it would relieve his stoomson & the dull appearance of his countensule soften, & relax his skin, preparing the way for disphareties. The medicine Tostoided antimory, speration five or six times, throwing off large quantities of bile, & newsons . I must him very soon ofter the aperation of the courter, he said he was much

hided he appeared wholly relieved his countercourse lively a robbin excited with pleasure, his stomach will, pain of the ride & head, nearly gone. The worker to cat. a cup of weak tra was allowed him - I returned home . but had bou there but a very short time when I received a note requesting me to visit him again, I found him perpectly delivered, with a very frequent, week pale; shin rather each a extreme publing of the muscle, with outon . The power of degletation. In this keptless condition I applied a large Lister to his head; I others to the ancho, I ourassisms to the feel . If he could have swellowed I would have given the containate of ammonia & wine whey freely. He lived until the next evening. I was not wormited to examine the body port mortune the winter poped over, without my seeing our other violent cose of the dicose. It was seen prequently but in a much milder form, yielding to a mities, purpotions, & boins powder, with le ped drinks; a accossionally in protrocled cores colonel in connection with the antimornish powder, was given with the liseur was produced. The speing was very cold dry & windy an till late in a pril - I was again put for to see the brother of the young mon, whose were I have given. He was attached with a revolu-

chile, & a cute poin, low down in the left side of the chest. In this cose, perfect reaction had taken place, and the usual expurtous of high implommation existed, strongly worked. active depos -time was promptly used: 20 g of blow were drawn off in the course of a hours, but without officeling any thing but tour porary neticf. His pulse was not subdued, or the poin much relieve. I below I at the time that this was a come of pleasants, a lift the potent ofter gioung a purge, with desertions to take more at short intervals, until the poin gave near. a large bloter was directed to be applied to the side & the antimorial powder to be used. He bleeding was not repested as directed The died on the fifth day, with sailled advancer, heavy & laborious respiration, rotting of mucous in the brousties, irrequi lose pulse; in what with all the symptoms, in dieating offusion, with the excites of the chest i abdorner. He had been occasionally delivious. This pulse continued octive un the on hour before his death; The pain was not relieved with offusion had taken place. a few days after this I was called to the some neighbor hood to see a young mon; a woggoner, he was lean a thin but hardy a strong when in health - the had for

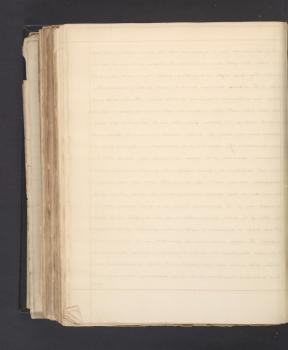
for a few days previous, attack complemed of the ordinary symple toms of catarah. The was suddenly token with a chill, which was some dily followed by reaction & fever, with sente pain in the side, & head. sake, with deflect to pointal respiration, so much so that he exite severy talk. Shin very hot tought white, pulse choused or tense, beating soo in the mirrate, his face company great suffering & de - yestion. "He had been in this education 8 010 hours before I in him burning this time his mother had on deavored to relieve him of placing his feet in waveen water, a administering worm teas, a spec ing hot sett to the chest, the also used com, boiled in water & Need not around his body, for the purpose of producing sweet, But without one cep. His viluation be come in supportable from the encrease of next & poin. I fett some curborreforent, from the bod success which had attended depleting remodes, in the low present - exercing cases, and was very anxious, to resert to coneties & sudorifies, for us celeof. as these remidies had been so much proised & some as remodies, for this most relevilless discuse. pretty active men sures to produce a blow of sweat, not been tried, without affects Before me were all the symptoms, which in dieste, a cute inflow - mation, of a serous membrone covering parts apulial to life,

I really fett it un profible, la vely on remedies, can wardevely for ble, when placed in the reale with blood citting; as a remedy for wante inflower nation. I therefore determined to draw blood for the purpose of procuring if I could, a law parary resulpione, of the more acalent symptoms. I put a legature on his arm and look a way a large quantity of blood, before any relief was procured, he was not much week ened by the obstraction. I then gave him in devices parties says of specacuan, 2 3 gos of metic torter, this was all taken, and warm water feely drawk without even producing nausea. The mecacuan was in 5 grani done every to ententes for sometime; the factes touched with an oiled peoples; but every effort was unavailing to mo dure counting, or even perspirations, the medicine opened his bowels. burney the afternoon his pain became very urgent, pulse time and incomprepible; he was bled again, with lumparary relief. I amitted to mention in the history of the other cases that the blood ofter coaquitation, was covered with a very dense coat of co agulating lymph: The blood drewn from this many carquitated firmly, without the buffy east, but was very blorid, and dense. 15 ms of solomet were now given to him, I easter oil in small does very hour, untile he was pay parged. By of oil was loken before

This effect was moduced. a large blister was next applied to the therese. He paper a eleepap night, as was very common in each coses. The blister draw well, but produced very little relief. Ho was again blid, & the aute movies powder treety given, with lepor drinks. The polygalo senaga was also given in infusion, a the boiled corn again used. But without any other effect, thou that of increasing, his suffering. I have always found it next to impossible, to induce sweating, when a not shin, & strong arbirish schon, are present, by any other means, then cold water, enternally a contornally used . The eve tornal application here would have been highly improper. The liped both might have been useful; no convenience for using it was at hond. This mon was bled rixtimes in all, eighty onness of blood war pow boby tokon. and every auxillary measure used that & knew of , to relieve him , but without effect, he wild on the yt day of his disease. He was not deterious, his pulse continued active untill a pew hours before his death. The usual signs of appresion in to the Thorse, were strongly marked. I call perspication look place often exemptons of effusion existed. A fourthe case ar exerced in the same neighborhood: I as I exemined the body nost merten, I will quie the foots. This was a very street young rugger mon in the

had comploued of being, we fet for labor, for a few days, before he was tohow down. His attack was ushow in with a chill, reaction prou for lowed, & high bever consted, with acute pour of the right side, quick, I very deferent respection, allended with quat auxists, a prequent truse pulse, & white tougue. The had been bled & token a dow of sells be for I sow him , without my huitigo low of eyn plous. I draw from 203 of blow, & again tried the cruetic : given in divided portions, and correct to a lorge quantity, with all the auxilliory means, to provoke encesis; but without effect. This bowels were moved by the ametic articles. arte - rock action continuing, very shong; he was again bled 16 %, to 20 trains of colomet given, to be followed, by a rolution of Glowborn salt. as the blister in the preceding cases had have useless, I still not use it in this case. The next morning he was no better more blood was token, to procure some case for him, I the autismourial powder given, with topid drinks. In the afternoon he become delinious, pulse small a very wregular, butting appropria, abdomon tunid, I considered these symptoms potat, a nothing more was attempted. he died in the night, 3 days often the attack. The creek day the body 400 we a numed. Our opening the Thomase, the lungs appeared distincted, probuding from the opening, The pleura covering the lungs & living .

being the ribs was highly inflowered. all the serous upilo ungested with red blood. The right lung address to the please of the ribs at noval points. very large mapes of exoquetating lymph, lay on each lung & the such of the placeron, continued nearly a quart of bloody version - The please was inflomened through out its whole extent. The Bronchies & sie sells were filled with their removes : no approximate of discore in the east by of the obdomen, no effusion There. This was the last vialent case which occured during the string, the weather became warmer , the disease gooda ally disappeared. This defection, fully confirmed my openion, of the in flowerestory character of the disease, I I reguled very much that I had not complayed the lowest holdly. The general prejudice against sens section was very great. In all the other eases, met with, during the spring; one or two copious bleedings, eured the disease, I did not one a single esse of the apprepio, or typico farm of the discose, Berliops the state of the water had one influence of the character of the diseases it was such so medisposes to inflorematory affections of the respiratory organs. The disease again made its appearance, in the last of november, a prevaled throughout the winter, & spurmed a deforent character the action after a few days was typhoid, I the local delevenmentions, to the head, & necessor membrone of the lungs, producing bloody expertition



The disease generally came on in the following manner. The Date ent, began to complain, of lapitude, dulnes a some degree of chille crep, with elight poin of the need or exect. These symptoms in over sing he was soon confined. The system fully according, the bestting soon become difficult, with increase of pain, allended with weight & bloody exercetorshow, with more or less congestion in the lange. Increased heat of the surface , + deterium , soon followed , of ma devote character. believen was generally preceded, by sommoleway. potents made but little complaint, The towngue was loosed to tinged, with gellow, the bowels torped, pulse, some times full, but very compress able. The disease was now pratisated, I had a second stage. The tomogen dry, a covered with a very think dark crust increase of delerium The breathing more laborious, dark blowy mother we precloseled, block dischazes from the intestines, with moreand debility of the muschs, the palse weaker + more prequent; shin do + hat, with great willeprings. This form of the disease was very dougenous . If great releif was not at oblined in the first stope, death generally occurred in the second stoge shout the 15t or 15th day. The treatment loss generally began with on emilie, which operated readily, + discharged much bile. Thy relieved head whe, promoted expendention, & releved the shin,



The housels were never opined, by a large done of colonnel, followed, by oil, some, or salts . The automoral powder, a calonel were now given, with lepid drinks - oflerwords blasters, to the neath, chest, a lower extremely. The polygale serrage, loss here very useful, in promoting sweat or expectoration. apium compros + the exercan, were constants, combined, & given at night to allow cough, a promote the dis charge from the shin's In the second stage, blisters were applied, to the head, I the carbon ate of annionia, in large does, prequently reported, with wie whey, was chiefly relied on, with light climicating food. The corbanate of ammonia, soon wis road the towngets, I pulse, a was decided of superior to any other article, used in this class of the disease. Polished parts became lived a worl elmost weaver ble. The discharge of very block matter point the lungs, with great stuffing, on engoisement, was generally fotal. effusion onto the chest, was very uncommon in that form of the discose , the revous memberous did not appear to be so much offeeted. More or lip, consistion, con stratly existed. I could go on a pretroot this spay with many more coses but I think it quite une copy to say more on the

refet in promoting smat or experiences aprem com no















